

LAER for Refinery Cooling Towers

	RBLC ID	Permit No.	Process Description	Throughput (Gal/Min)	VOC emission limit	Basis	P2/Add-on
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Proposed

Monroe Energy	23-0003Z	Alky Cooling Tower #2	12,050	31 ppmw averaged on a 12-month rolling period 10.49 TPY	LAER	Monitoring VOC concentration in cooling water and comply with 40 CFR 63 Subpart CC
		FCC Cooling Tower	28,500	31 ppmw averaged on a 12-month rolling period 24.81 TPY		
		Crude Cooling Tower	36,850	31 ppmw averaged on a 12-month rolling period 32.08 TPY		

RBLC

Listed

1	TX-0575	41945	Cooling Tower	73,000	13.43 TPY	BACT-PSD	Monitoring VOC concentration in cooling water
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2	AL-0242	X063	Cooling Tower			BACT-PSD	Comply with 40 CFR 63 Subpart CC
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3	OK-0102	2003-336-C PSD	FCCU Cooling Tower			BACT-PSD	Monitoring, inspection, and maintenance
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4	TX-0339	PSD-TX-302 (M2)	Cooling Tower S-6	4.2 lb/hr 18.5 TPY	N/A		
			Cooling Tower COOTWRX	2.0 lb/hr 8.6 TPY	N/A		

5	TX-0315	PSD-TX-474	Cooling Tower		3.2 lb/hr 14.0 TPY	N/A	
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6	CA-0713	S-33-353-0	Cooling Tower	18,000	18.1 lb/hr	Other Case-by-Case	LEAKING PROCESS EQUIPMENT SHALL BE REPAIRED UPON DETECTION OF VOCS IN HEAD SPACE OF COOLING TOWER
7	LA-0246	PSD-LA-619 (M6)	Cooling Tower CT-600	45000	55.84 lb/hr	BACT-PSD	Monitoring VOC concentration in cooling water
			Cooling Tower 403	61,250	76.0 lb/hr		
			HCU Cooling Tower	50,000	62.4 lb/hr		
			New West Cooling Tower	40,000	49.3 lb/hr		
8	OH-0308	04-01447	Cooling Tower	2,000	0.084 lb/hr 0.37 T/yr 0.7 lb/MMlb /MMGal Water	N/A	
9	TX-0235	38754	CU/VRU Cooling Tower		0.21 lb/hr 0.92 TPY	BACT-PSD	Monitoring VOC concentration in cooling water
			HOC Cooling Tower		6.09 lb/hr 26.67 TPY		
			BUP Cooling Tower		1.68 lb/hr 7.30 TPY		
			Alky Cooling Tower		1.26 lb/hr 5.5 TPY		